PLEASE ENTER AMENDMENT as set Forth in Office Action.

VAT

6-06-08

Attorney Docket No. NEWM-001/01US 301711-2002   **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of ROBERTSON et al.	Confirmation No.: 3415
Serial No.: 10/766,613	Group Art Unit: 2193
Filed: January 28, 2004	Examiner: Tuan A. VU

FOR: A METHOD FOR THE USE OF INFORMATION IN AN AUXILIARY DATA SYSTEM IN RELATION TO AUTOMATED TESTING OF GRAPHICAL USER INTERFACE BASED APPLICATIONS

Proposed Draft of Claims Amendment to Enable Examiner's Amendment

Proposed Amendments to the Claims are reflected on the listing of the claims which begins on page 2 of this paper.

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Proposed Draft of Claim Amendments:

Set forth below in ascending order, with status identifiers, is a complete listing of all

claims currently under examination. Changes to any amended claims are indicated by

strikethrough and underlining. This listing also reflects any cancellation and/or addition of

claims.

1.-19. (canceled)

20. (Currently amended)   A method for identifying required updates of test scripts used to test
an application, the method comprising:

     capturing auxiliary data items associated with the application, the auxiliary data items
including information about how the application works, the auxiliary data items including
information regarding at least one of: a layout of a screen; the types of user-interface elements
used by the application; where data entered into the application will reside in an underlying data
system; data processing code; and an underlying workflow of the application as a user navigates
from screen to screen;

     recording one or more test scripts, each test script corresponding to a user's interactions
with the application;

     correlating the captured auxiliary data items with at least one of user interface objects,
properties, functionality, data requirements, and workflow associated with the application to
generate mapping data by identifying a tag associated with a user interface object with which the
user interacts while operating the application and by mapping the tag to a corresponding
auxiliary data item;

     determining, from the mapping data, which test scripts reference each user interface
object, property, functionality, data requirement, or workflow and storing information indicating

which test scripts reference each user interface object, property, functionality, data requirement,
or workflow;

~~storing information about which test scripts reference each user interface object, property,~~
~~functionality, data requirement, or workflow;~~

determining that one of the auxiliary data items has been altered, the alteration of the one
of the auxiliary data items indicating a particular manner in which the application has been
altered;

consulting the stored information to identify test scripts that reference a user interface
object, property, functionality, data requirement, or workflow corresponding to the altered one of
the auxiliary data items; and

reporting the identified test scripts to a user.

21. (Previously presented)   The method of claim 20, wherein the recording includes recording
default values relied upon by the application during the user's interaction with the application,
the default values being included with the test script.

22. (Previously presented)   The method of claim 20, wherein the recording includes recording
auxiliary data items corresponding to the user's interaction with the application.

23. (Previously presented)   The method of claim 20, wherein the correlating is performed in
conjunction with the recording.

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24. (Previously presented)   The method of claim 20, wherein capturing auxiliary data items associated with the application includes querying a database that includes auxiliary data associated with the application.

25. (Previously presented)   The method of claim 20, wherein capturing auxiliary data items associated with the application includes querying an auxiliary data file that includes auxiliary data associated with the application.

26. (Previously presented)   The method of claim 20, wherein capturing auxiliary data items associated with the application includes calling an Application Programming Interface (API) that returns the auxiliary data items.

27. (Previously presented)   The method of claim 20, wherein capturing auxiliary data items associated with the application includes querying a Web service that returns the auxiliary data items.

28. (canceled)

29. (Currently amended) The method of claim 20, wherein storing information about~~about~~indicating which test scripts reference each user interface object, property, functionality, data requirement, or workflow includes:

storing a record of each auxiliary data item and the test scripts that reference the user interface object, property, functionality, data requirement, or workflow to which that auxiliary data item corresponds.

30. (Previously presented)   The method of claim 20, wherein determining that one of the auxiliary data items has been altered includes comparing the mapping data with current auxiliary data associated with the application.

31. (Previously presented)   The method of claim 20, further comprising:

prompting a user to generate a new test script to test a user interface object, property, functionality, data requirement, or workflow corresponding to the altered one of the auxiliary data items.

32. (Previously presented)   The method of claim 20, further comprising:

prompting a user to alter a test script to test a user interface object, property, functionality, data requirement, or workflow corresponding to the altered one of the auxiliary data items.

33. (Previously presented)   The method of claim 20, further comprising:

prompting a user to remove a test script referencing at least one of user interface objects, properties, functionality, data requirements, and workflow that have been deleted from the application based on a determination that corresponding auxiliary data items have been deleted from a source of current auxiliary data associated with the application.

34. (Currently amended)   A system for managing test scripts used to test an application, the system comprising:

a processor;

a memory device; and

a plurality of instructions stored on the memory device, the plurality of instructions configured to cause the processor to:

capture auxiliary data items associated with the application, the auxiliary data items including information about how the application works, the auxiliary data items including information regarding at least one of: a layout of a screen; the types of user-interface elements used by the application; where data entered into the application will reside in an underlying data system; data processing code; and an underlying workflow of the application as a user navigates from screen to screen;

record one or more test scripts, each test script corresponding to a user's interactions with the application;

correlate the captured auxiliary data items with at least one of user interface objects, properties, functionality, data requirements, and workflow associated with the application to generate mapping data by identifying a tag associated with a user interface object with which the user interacts while operating the application and by mapping the tag to a corresponding auxiliary data item;

determine, from the mapping data, which test scripts reference each user interface object, property, functionality, data requirement, or workflow and store information

indicating which test scripts reference each user interface object, property, functionality, data requirement, or workflow;

~~store information about which test scripts reference each user interface object, property, functionality, data requirement, or workflow;~~

determine that one of the auxiliary data items has been altered, the alteration of the one of the auxiliary data items indicating a particular manner in which the application has been altered;

consult the stored information to identify test scripts that reference a user interface object, property, functionality, data requirement, or workflow corresponding to the altered one of the auxiliary data items; and

report the identified test scripts to a user.

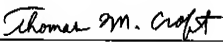Atty Docket No.: NEWM-001/01US 301711-2002
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REMARKS

Applicant hereby authorizes the Examiner to enter the above claims amendment as an Examiner's Amendment in accordance with telephone calls between Applicant's counsel and the Examiner on May 30, 2008 and June 3, 2008. If any questions should arise, please call the number listed below.

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